



October 9, 2000

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**Via Facsimile and Certified Mail
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Mr. Kevin Adler, Remedial Project Coordinator
U.S. Environmental Protection Agency, Region 5
Office of Superfund, Remedial & Enforcement Response Branch
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

Subject: Granville Solvents Site Removal Action Quarterly Report – Third Quarter 2000

Dear Mr. Adler:

On behalf of the Granville Solvents Site PRP Group, Metcalf & Eddy of Ohio, Inc. respectfully submits the Quarterly Report for the Removal Action at the Granville Solvents Site. Copies have been sent to the following individuals:

Mr. Steve Acree, U.S. EPA
Mr. Peter Felitti, U.S. EPA
Mr. Fred Myers, Ohio EPA
Mr. Joe Hickman, Manager, Village of Granville

If you have questions regarding this submittal, please contact Michael Raimonde or me at (614) 890-5501.

Respectfully,

METCALF & EDDY OF OHIO, INC.

Gerald R. Myers
Vice President/Project Coordinator

cc: B. Pfefferle, Chairman - GSS PRP Group
M. Raimonde, M&E

**GRANVILLE SOLVENTS SITE
REMOVAL ACTION QUARTERLY REPORT
FOR JULY, AUGUST AND SEPTEMBER 2000**

OCTOBER 2000

Pursuant to the requirement set forth in the Administrative Order by Consent (AOC, September 7, 1994) between the U.S. EPA and the Granville Solvents Site (GSS) Potentially Responsible Parties (PRP) Group, in Section 2.5-Reporting, and the letter, dated November 14, 1996, from Ms. Diane Spencer (U.S. EPA), this report constitutes the quarterly written progress report concerning actions undertaken pursuant to the AOC.

I. PROGRESS MADE DURING REPORTING PERIOD

Source Area Groundwater Control

The groundwater pumping and treatment system operated 744 hours in July, 744 hours in August, and 712 hours in September, for a total of 2200 hours (99.46 % of the total time available) during the third quarter of 2000. Since operation of the treatment system began in December 1994, the system has been operating over 98.2 % of the available time.

During the third quarter of 2000, the treatment system processed approximately 8.69 million gallons of water in July, 8.02 million gallons of water in August and 7.45 million gallons of water in September, for a total of 24.16 million gallons of water for the third quarter of 2000. Since operation began in December 1994, the system has processed more than 683.20 million gallons of water.

On September 6, 2000, M&E acid-washed the air-stripping treatment system. During the third quarter of 2000, M&E collected monthly air pressure measurements in the air-stripping unit, which were used to calculate airflow values. Following acid washing, airflow increased from 1845 cfm to 2050 cfm. M&E continued to perform the scheduled monthly maintenance on the treatment system. This maintenance ensures the system is performing at maximum efficiency and decreases unscheduled downtime. This maintenance included replacing the bag filters, lubricating the transfer pump and blower motors, and maintaining the flow meters and level sensors.

Water samples were collected from the system's influent and effluent sampling ports on July 26, August 23, and September 21, 2000. The analytical results are presented in Table 1.

TABLE 1

VOCs	Influent July	Effluent July	Influent August	Effluent August	Influent September	Effluent September
1,1,1-trichloroethane	8.8 µg/l	ND	8.3 µg/l	ND	6.0 µg/l	ND
cis-1,2-dichloroethene	2.8 µg/l	ND	2.6 µg/l	ND	2.3 µg/l	ND
Tetrachloroethene	15.6 µg/l	ND	11.7 µg/l	ND	8.2 µg/l	ND
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND
Trichloroethene	14.0 µg/l	0.32 µg/l	11.3 µg/l	ND	8.1 µg/l	ND
1,1-dichloroethylene	ND	ND	ND	ND	2.9 µg/l	0.80 J µg/l
Carbon tetrachloride	ND	ND	ND	ND	ND	ND

Extraction well GSS-EW1 was operated at an average flow rate of approximately 130 gallons per minute (gpm) during the third quarter of 2000. The flow rate from GSS-EW2 averaged 40 gpm over the quarter. The total pumping rate has averaged 183gpm for the third quarter of 2000.

The results of the sample analyses listed in Table 1 represent typical influent and effluent concentrations at the GSS, and M&E has recorded that approximately 25.7 million gallons of water were processed for the third quarter of 2000. Based on these data, total VOCs of approximately 0.13 lb/day in July, 0.09 lb/day in August, and 0.07 lb/day in September were discharged to the atmosphere during this reporting period.

Groundwater Monitoring

Groundwater level measurements were collected on July 26, August 23, and September 21, 2000 as specified in the Groundwater Monitoring Plan and they are used to develop potentiometric surface maps.

Source Area Soils

The Soil Vapor Extraction/Pneumatic Fracturing Pilot Test Report was submitted to the U.S. EPA on August 22, 2000 for review. Following written approval of this report by the U.S.EPA, it is anticipated that a design document that is expected to include construction specifications and plans, revised ground water extraction and treatment system operating parameters, revised ground water monitoring/ sampling programs, and schedules, shall be submitted.

Active or Completed Tasks

The following specific tasks were completed during the reporting period:

- Collected water samples on July 26, August 23, and September 21, 2000, from the treatment system influent and effluent sampling ports.
- Collected water level measurements on July 26, August 23, and September 21, 2000.
- Collected airflow data on a monthly basis.
- Perform scheduled maintenance of the treatment system.
- Acid-washed the air stripper on September 6, 2000.

II. DELIVERABLES (CURRENT PERIOD AND NEXT PERIOD)

CURRENT PERIOD:

<u>Deliverable</u>	<u>Due Date</u>	<u>Delivered</u>
Pilot Test Report	August 22, 2000	August 22, 2000
Quarterly Report	October 9, 2000	

NEXT PERIOD:

<u>Deliverable</u>	<u>Due Date</u>
Quarterly Report	January 7, 2001
Soil Removal Action Design Document	Following written approval of Pilot Test Report.

III. DIFFICULTIES ENCOUNTERED AND REMEDIAL ACTIONS TAKEN THIS PERIOD

The flow rate from EW-2 has declined to a measured 40 gpm since the beginning of the third quarter. It is anticipated that this pump will require maintenance early in the fourth quarter.

IV. ANTICIPATED ACTIVITIES DURING NEXT REPORTING PERIOD

During the next reporting period, M&E will perform the following tasks:

- Collect potentiometric surface data on a monthly basis.
- Sample the treatment system influent and effluent water on a monthly basis.
- Perform scheduled maintenance of the treatment system.
- Design for the Soil Removal Action.